

## Work Order ID 56721

March 5, 2010 9:59:52 AM



Page 1

Item ID: D412-742-011

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 05/03/2010 Start Qty: 1.00

Accept



Setup Start



Stop



Required Date: 17/03/2010 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date: 10-3-5

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr	Revision Nbr
IIN-D412-742	D

100



DOCUMENT CONTROL

0.00

DC

Document Control

Memo

0.00

Photocopy bluefile and create labels per PPP D412-742-011 CHG006

S 10/7/23

110



Pick Kit

0.00

Packaging

Packaging

Memo

0.00

120



QC4- 100% Inspect kits for completeness

0.00

QC

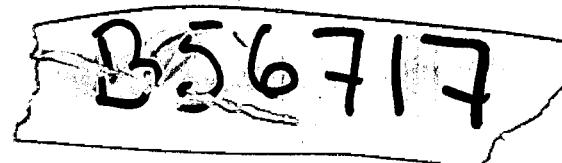
Quality Control

Memo

0.00

S 10/7/23

S



W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DCA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Item ID: D412-742-011

Accept



Setup

Start



Revision ID:

Item Name: Float Skidtube Installation

Stop



Start Date: 05/03/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 17/03/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run

Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center ID

130



Packaging

Packaging

Operation  
Description

Packaging

Memo

Identify and pack for shipping as per PPPD412-742-011  
Location: \_\_\_\_\_

140



QC

Quality Control

Set Up/  
Run Hours

0.00

Draw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp*FC 07/23*

0.00

0.00

*10/07/2010**MF**10-7-23*

0.00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev: B 06-06-08 As per DSI9336 JLM  
IPP Rev: C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

MS21043-3

Purchased

No

100

Each

4,196.000 33.0000

10-7-2010

Nut

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG 80

103691 80

Main Warehouse

ST 4116

111819 70

112243 29

112314 4017

84.0000 3.0000

33

AN3C37A

Purchased

No

110

Each

84.0000 3.0000

10-7-2010

BOLT

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST 84

112454 84

3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



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IPP Rev:B 06-06-08 As per DS19336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

AN3C40A



BOLT

Purchased No

110 Each

84.0000 2.0000



10.7.2051

Warehouse

Location

Main Warehouse

ST

Loc Qty

Loc Code

84

106176

112454

34

50

AN3C41A



BOLT

Purchased No

110 Each

138.0000 3.0000



10.7.2051

Warehouse

Location

OFFSHORE

FG

Loc Qty

Loc Code

4

103324

112431

112829

4

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

AN3C42A

Purchased

No

110

Each

132.0000 3.0000

BOLT



10-7-208

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

132

106169

32

106176

100

AN3C43A

Purchased

No

110

Each

45.0000 3.0000

BOLT



3



M114330

10-7-208

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

45

106227

2

106228

35

107457

8

AN3C44A

Purchased

No

110

Each

173.0000 9.0000

BOLT



10-7-20

5

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

173

106187

73

110848

100

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Shop Packet Print

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W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



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Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C47A

Purchased

No

110

Each

111.0000 10.0000



10-7-2081

BOLT

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	111	
----	-----	--

106171

62

110847

49

AN4C47A

Purchased

No

110

Each

110.0000 4.0000



1115030 10-7-2081

Bolt

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	110	
----	-----	--

112489

2

112816

3

113164

5

113302

100

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Start Date: 05/03/2010

Required Date: 17/03/2010

Comments:

IPP Rev: A 05.10.13  New Issue  KJ/JLM   
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Qty: 1.00

Required Qty: 1.00

AN4C52A



BOLT

Purchased No

110 Each

184.0000 8.0000

10.7.20 SF

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	184	
103914	19	
112543	15	
112641	50	
113121	100	

611.0000 16.0000

8  
16.7.20 SF

AN4C6A



Bolt

Purchased No

110 Each

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG	4	
103344	4	

Main Warehouse

ST	607	
111295	0	
112759	25	
112794	82	
113121	500	

16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev: B 06-06-08 As per DSI9336 JLM  
IPP Rev: C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN4C7A



Bolt

Purchased No

110 Each

431.0000 4.0000



10.7.208

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST 431

109147 431

AN6C12A



BOLT

Purchased No

110 Each

99.0000 8.0000



Y  
10.7.208

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST 99

104289 1

110396 98

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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# Picklist Print

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

IPP Rev:B 06-06-08 As per DSI9336 JLM

IPP Rev:C 07-05-28 As per Rev C JLM

IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN960C10L



Purchased No

110 Each

388.0000 66.0000



11150000 10.7.2008

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG 100

103585 100

Main Warehouse

ST 288

112116 128

112612 160

AN960C416L



WASHER

Purchased No

110 Each

1,314.000 32.0000



10.7.2008

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG 44

104925 44

Main Warehouse

ST 1270

111916 2

112612 368

112794 500

112828 400

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN960C616L



WASHER

Purchased No

110 Each

250.0000 8.0000



10-7-2009

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 250

111424 50

113064 200

Manufactured No

110 Each

22.0000 1.0000



B59298

10-7-1989

D2571



Saddle, Fwd Out 205

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 14

11644 1

43564 3

47564 7

52910 3

Main Warehouse

ST433 8

54929 8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA \_\_\_\_\_ Date: \_\_\_\_\_  
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Parent Item Name: Float Skidtube Installation

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IPP Rev:B 06-06-08 As per DS19336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2572



Saddle, Fwd In 205

Manufactured No

110 Each

12.0000 1.0000



BS9300

10/7/1988

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	12
43565	3
52908	9

D2573



Saddle, Aft Out 205

Manufactured No

110 Each

25.0000 1.0000



BS9881

10/7/1988

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	11
43566	3
44206	1
47566	7

Main Warehouse

ST434	14
52328	6
52911	8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Start Date: 05/03/2010

Required Date: 17/03/2010

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM

IPP Rev:C 07-05-28 As per Rev C JLM

IPP rev D 07.11.01 ecn 1053P EC

D2574



Saddle, Aft In 205

Manufactured No

110

Each

17.0000

1.0000+



B59882 10-7-10 SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST 2

43567 2

Main Warehouse

ST434 15

53463 7

56398 8

D2747



Set Screw

Manufactured No

110

Each

229.0000

4.0000



10-7-10 SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST023 229

39224 4

43855 25

51921 200

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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IPP Rev:C 07-05-28 As per Rev C JLM  
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Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D2876



Saddle Spacer

Manufactured No

110 Each

149.0000 2.0000



10.7.20 SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST028

102

42364

102

Main Warehouse

ST051

47

51540

47

D2877



Saddle Spacer

Manufactured No

110 Each

80.0000 2.0000



BS8S31 10.7.20 SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST028

80

46518

1

47292

42

51541

37

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D3403-1



Bushing

Manufactured No

110 Each

45.0000 16.0000



1 B568560 10.7.2010

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	18
54237	5
56387	13

Main Warehouse

ST55	27
56387	27

D3403-3



Bushing

Manufactured No

110 Each

24.0000 8.0000



1 B56857 10.7.2010 SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	24
52900	24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev: B 06-06-08 As per DSI9336 JLM  
IPP Rev: C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3405-041



Lug Assembly

Manufactured No

110 Each

17.0000 1.0000



BS9608 10/7/1928

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST

17

53887

17

D3405-043



Lug Assembly

Manufactured No

110 Each

8.0000 1.0000



BS9609 10/7/1929

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST

8

46589

1

46863

1

52324

1

53888

5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
 IPP Rev:B 06-06-08 As per DSI9336 JLM  
 IPP Rev:C 07-05-28 As per Rev C JLM  
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3407-041



Tow Ring

Manufactured No

110 Each

12.0000 1.0000



B58755 10-7-10 sf

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG 3

35780 3

Main Warehouse

ST 3

48356 1

50755 2

Main Warehouse

ST464 6

55032 6

D3417-3



Washer

Manufactured No

110 Each

105.0000 2.0000



10-7-20 sf

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 105

42176 2

44349 22

51648 28

53182 53

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D3456-1



Washer

Manufactured No

110 Each

172.0000 1.0000



10-7-20



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

172

51653

4

54692

168

Manufactured No

110 Each

168.0000 2.0000



10-7-20



D3533-1



Set Screw

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

168

51602

168

Manufactured No

110 Each

39.0000 16.0000



2



10-7-20



D3672-11



Phenolic Washer

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

39

35524

39

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM  
 IPP Rev:B 06-06-08 As per DS19336 JLM  
 IPP Rev:C 07-05-28 As per Rev C JLM  
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3672-3

Manufactured No

110 Each

524.0000 32.0000



*BS7704 16-7-2010*

Phenolic Washer

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST117 24

51596 24

Main Warehouse

ST77 500

55560 500

D3672-9

Manufactured No

110 Each

491.0000 8.0000



*10-7-20*

Phenolic Washer

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 491

35523 491

D412-742-015

*CH9001*

Manufactured No

110 Each

3.0000 1.0000



*10-7-15*

Electric Step

Warehouse Loc Qty Loc Code

Location

Main Warehouse

FG 3

35939 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

March 5, 2010 9:59:49 AM

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Work Order ID: 56721



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM  
IPP Rev:B 06-06-08 As per DSI9336 JLM  
IPP Rev:C 07-05-28 As per Rev C JLM  
IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D412-742-041

Manufactured No

110 Each

0.0000 1.0000



Replacement Float Skidtube

MS21043-4

Purchased No

110 Each

374.0000 29.0000



Nut

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	40	
104603	40	
<u>Main Warehouse</u>		
ST	334	
112314	100	
112492	11	
113064	223	

*B56717 SJ*

*M114348 10-7-19 SJ*

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date &amp; initial all entries

## 5.0 PARTS LIST

## 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
	1	*24		*AN3C4A	*BOLT
	3	*12		*AN3C6A	*BOLT
	4	*8		*AN3C7A	*BOLT
	5	*44		*AN960C10L	*WASHER
	6	*4		*MS27039C4-12	*SCREW
	7A	*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
	7B	*4		*AN960C416L	*WASHER
	21A	*1		*D3564-1	*WEARSHOE (REPLACES D3460-1)
	21B	*1		*D3566-1	*GASKET
	22A	*1		*D3564-3	*WEARSHOE (REPLACES D3460-3)
	22B	*1		*D3566-1	*GASKET
	23A	*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
	23B	*1		*D3566-5	*GASKET
	10	*1		*D3391-011	*412 FORWARD TUBE
	11	**1		**D3401-041	**TOW CAP
	12A	**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
	12B	**2		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
	13	**10		**AN3C4A	**BOLT
	14A	**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
	14B	**10		**AN960C10L	**WASHER
	24A	**1		**D3564-13	**WEARSHOE
	24B	**1		**D3566-13	**GASKET
	20	*1		*D3391-013	*412 MID TUBE
	28	**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
	30	*1		*D3391-015	*412 AFT TUBE
	25A	**1		**D3537-1	**WEARPAD
	25B	**1		**D3553-1	**GASKET
	26A	**1		**D3537-7	**WEARPAD
	26B	**1		**D3553-3	**GASKET
	31	**1		**D2646	**AFT CAP
	32	**14		**AELS-1032-130	**INSERT
	36	**12		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
	37A	**6		**AN3C4A	**BOLT
	37B	**4		**AN3C5A	**BOLT
	38A	**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
	38B	**10		**AN960C10L	**WASHER
	39	**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)

(CONTINUED ON PAGE 17)

(CONTINUED FROM PAGE 16)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER
46	16			D3403-1	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49	8			AN4C52A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	16			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C46A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80		1		D2913	DOUBLER
81	***4			***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82	***4			***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83		2		MS21043-4	NUT
84		2		MS24693-C272	SCREW
85		1		MS35489-35	GROMMET
86		1		MS35489-93	GROMMET
87	***4			***MS27039C1-09	***SCREW
88	***4			***MS27039C4-08	***SCREW
89A	***4	2		***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B	***4	2		***AN960C10L	***WASHER
90A	***4			***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B	***4			***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

\*\*\*DENOTES THAT PART IS INCLUDED WITH D3391-013

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Revision: D  
Date: 07.10.04

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.1.M.R.S.01126

**REFERENCE ONLY**

## INSTRUCTIONS:

1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

**5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List**  
**32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List**

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
1	X			D412-742-041	FLOAT SKIDTUBE
1		X		D412-742-015	ELECTRIC STEP KIT

IS:

63	4		AN4C47A	BOLT
----	---	--	---------	------

WAS:

63	4		AN4C46A	BOLT
----	---	--	---------	------

**5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List**  
**32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List**

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
1	X		D412-742-043	FLOAT SKIDTUBE

IS:

63	4		AN4C47A	BOLT
----	---	--	---------	------

WAS:

63	4		AN4C46A	BOLT
----	---	--	---------	------

A	NEW ISSUE			AJS	08.12.19
REV.	DESCRIPTION			BY	DATE
DESIGN		A/S	<b>DART AEROSPACE USA, INC</b> PORT HADLOCK, WA		
DRAWN		A/S			
CHECKED			DRAWING NO.		REV. A
MFG. APPR.		N/A	DSI 9441		SHEET 1 OF 1
APPROVED			TITLE		SCALE
DE APPR.			BOLT CHANGE		NTS
DATE		08.12.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.		